

WHAT IS CLAIMED IS:

1. A gun, including a gun barrel that is seated to be axially displaceable in a cradle barrel of a gun cradle, wherein:

the gun barrel is seated in a first slide-bushing bearing disposed at a muzzle end of the cradle barrel, and in a second slide-bushing bearing disposed at a breech-ring end of the cradle barrel;

the first slide-bushing bearing comprises a barrel bushing that is attached to an outer surface of the gun barrel and is supported in a form-fit against an inner wall of the cradle barrel by at least three segment-like support ribs distributed uniformly around the outer circumferential surface of the first slide-bushing bearing; and

the barrel bushing has segment-like, outer surface recesses disposed between adjacent support ribs, and respective segment-like, inner surface recesses disposed on an inner circumferential surface wall and opposite respective support ribs, so that when the gun barrel expands, the barrel bushing deforms elastically such that the regions of the barrel bushing resting against the gun barrel are arched outwardly into the outer surface recesses, and the regions of the gun barrel that

do not rest against the inner wall of the barrel bushing can move into the inner recesses of the barrel bushing.

2. The gun according to claim 1, wherein the barrel bushing is supported against the inner wall of the cradle barrel by at least four of said support ribs distributed uniformly around the circumference of the barrel bushing.

3. The gun according to claim 2, wherein there are four of said support ribs, with two of said support ribs being disposed horizontally on opposite sides of the barrel bushing, and with two of said support ribs being disposed vertically on opposite sides of the barrel bushing.

4. The gun according to claim 1, wherein the support ribs are provided with a slide-conductive coating on their outer surface facing the inner wall of the cradle barrel.

5. The gun according to one of claim 1, wherein the barrel bushing is provided with bearing shells in the regions which rest against the surface of the gun barrel.

6. The gun according to claim 1, including means for preventing rotation of the barrel bushing.